

A	B	C	D	E
	Hourly potential to emit fuel usage is based on all heating units running at the same time			
	Total heat input, this class =	173,892 MMBtu/hr		
	Fuel usage =	170,482 ft ³ /hr		
	Fuel usage = Total heat input, this class (MMBtu/hr) ÷ fuel heat content (Btu/ft ³) x 10 ⁶ Btu/MMBtu			
4.0 Emission factors, from AP-42, Section 1.4 Tables 1.4-1 and 1.4-2 Small Commercial Heating Units				
	Constituent	Emission Factor (lb pollutant per million ft³ natural gas)		
	CO	84.0		
	NOx	100		
	PM-10	7.60 lb/1,000,000 ft ³ , condensible and filterable		
	PM-2.5	7.60 lb/1,000,000 ft ³ , condensible and filterable		
	PM-CON	5.70 lb/1,000,000 ft ³ , condensible		
	SO ₂	0.60		
	VOC, non-methane	5.50		
	Ammonia	3.20		
5.0 Calculation of Criteria Pollutant Emission Rates.				
		Annual	Annual	

BRIEF OVERVIEW AND RELEVANCE

NAS Whiting Field includes approximately 12,000 acres and outlying fields with three separate and fully operational airfields. As the host of the largest air wing in the Navy conducting most Chief of Naval Air Training, they maintain an air emissions annual recordkeeping system for tracking their air pollution sources. They are exempt from obtaining air construction and operating permits as they meet the exemption criteria set forth by the State of Florida. Jacobs prepares an annual air emission report to verify that the installation meets the exemption criteria. This report includes the total annual air pollutants emitted from the different site operations such as boilers, paint booths, fueling, and generators.



Air Emissions Recordkeeping Support, NAVFAC Southeast

Naval Air Station (NAS) Whiting Field, FL

PROJECT SCOPE

- Work Plan
- Previous Inventory/Annual Report Review
- Site Evaluation
- Monthly Recordkeeping
- Annual Air Emissions Report

CHALLENGES

The team was challenged with coordinating and training new staff on the air emissions compliance requirements while researching previous data capture to include in the recordkeeping system.

KEY ACCOMPLISHMENT

The team is developing a time-saving guide outlining the steps necessary to track air emissions to aid the client with internal staff transitions and implement a consistent process at the site.